

# Notes 5/2 - Working With % , Part 2

## ■ 3 types of percent problems

1. Find \_\_\_\_% of \_\_\_\_.

Ex: Find 12.5% of 50  
 $.125(50) = 6.25$

Find  $3\frac{1}{2}\%$  of 180  
 $.035(180) = 6.3$

2. \_\_\_\_ is \_\_\_\_% of what number?

Ex: 20 is 35% of what number?  
$$\begin{array}{r} .35x = 20 \\ \hline .35 \end{array} \quad x = 57.14$$

Ex: 35 is 18% of what number?

$$\begin{array}{r} .18x = 35 \\ \hline .18 \end{array} \quad x = 194.\bar{4}$$

3. \_\_\_\_ is what percent of \_\_\_\_?

Ex: 5 miles is what percent of a 26.2 mile Marathon?

$$\frac{\text{part}}{\text{whole}} = \frac{5}{26.2} = .1908 \approx 19.1\%$$

Ex: 10 is what percent of 158 orders?

$$\frac{10}{158} = .063 \approx 6.3\%$$